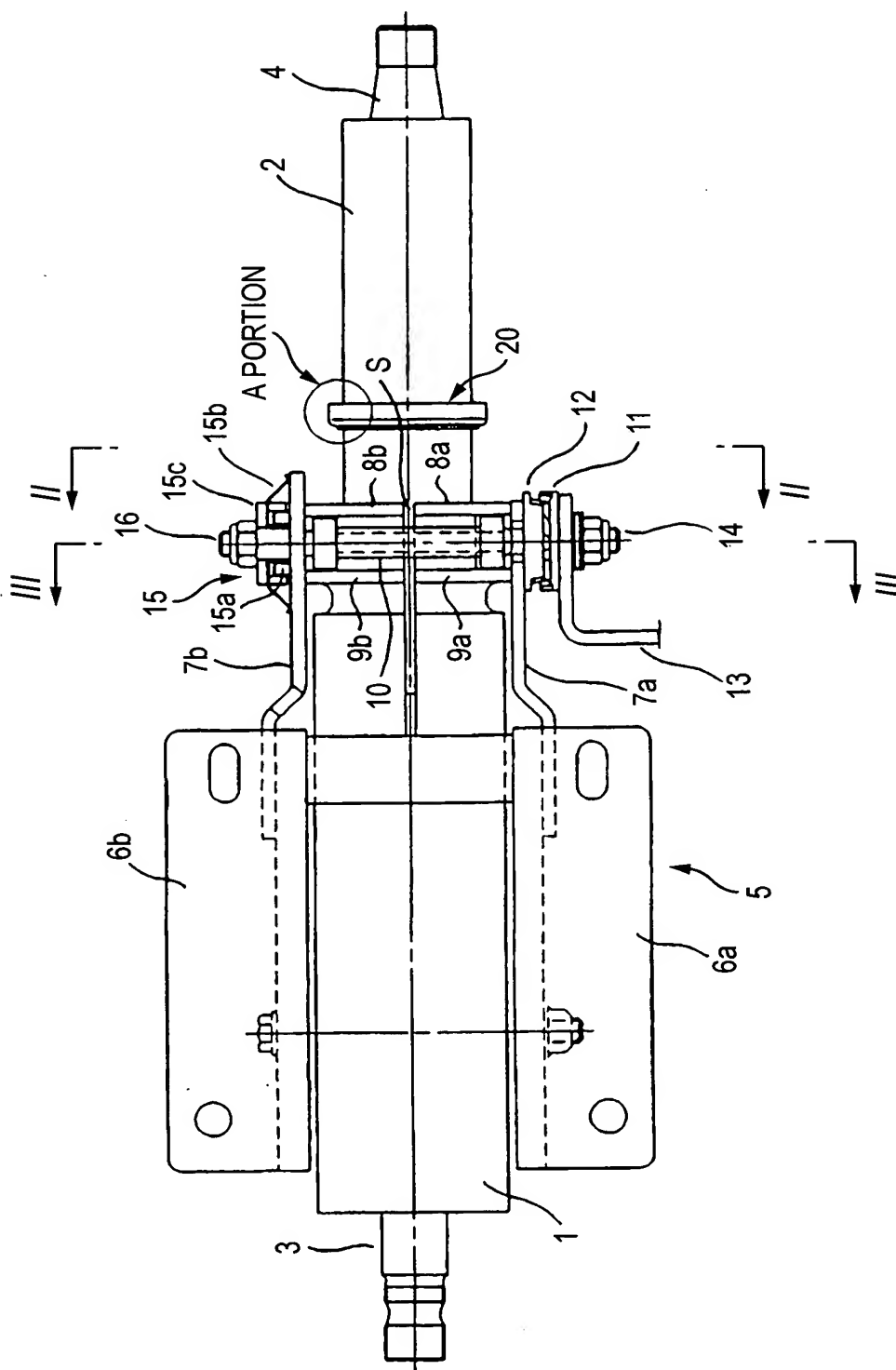


FIG. 1



This diagram illustrates a cross-section of a valve assembly 5. The central component is a body 1 containing a spherical ball 2. Two primary ports, 8a and 8b, are located on opposite sides of the body. Port 8a is connected to an external pipe 6a through a fitting 7a, while port 8b connects to pipe 6b via fitting 7b. These fittings incorporate seals 10 and 11 to ensure a tight connection. A handle 14 at the bottom operates a lever system consisting of parts 12 and 13, which controls the movement of the ball 2. Internal features such as springs 15 and 16, and additional seals 17a and 17b are depicted to show the internal mechanical details.

FIG. 3

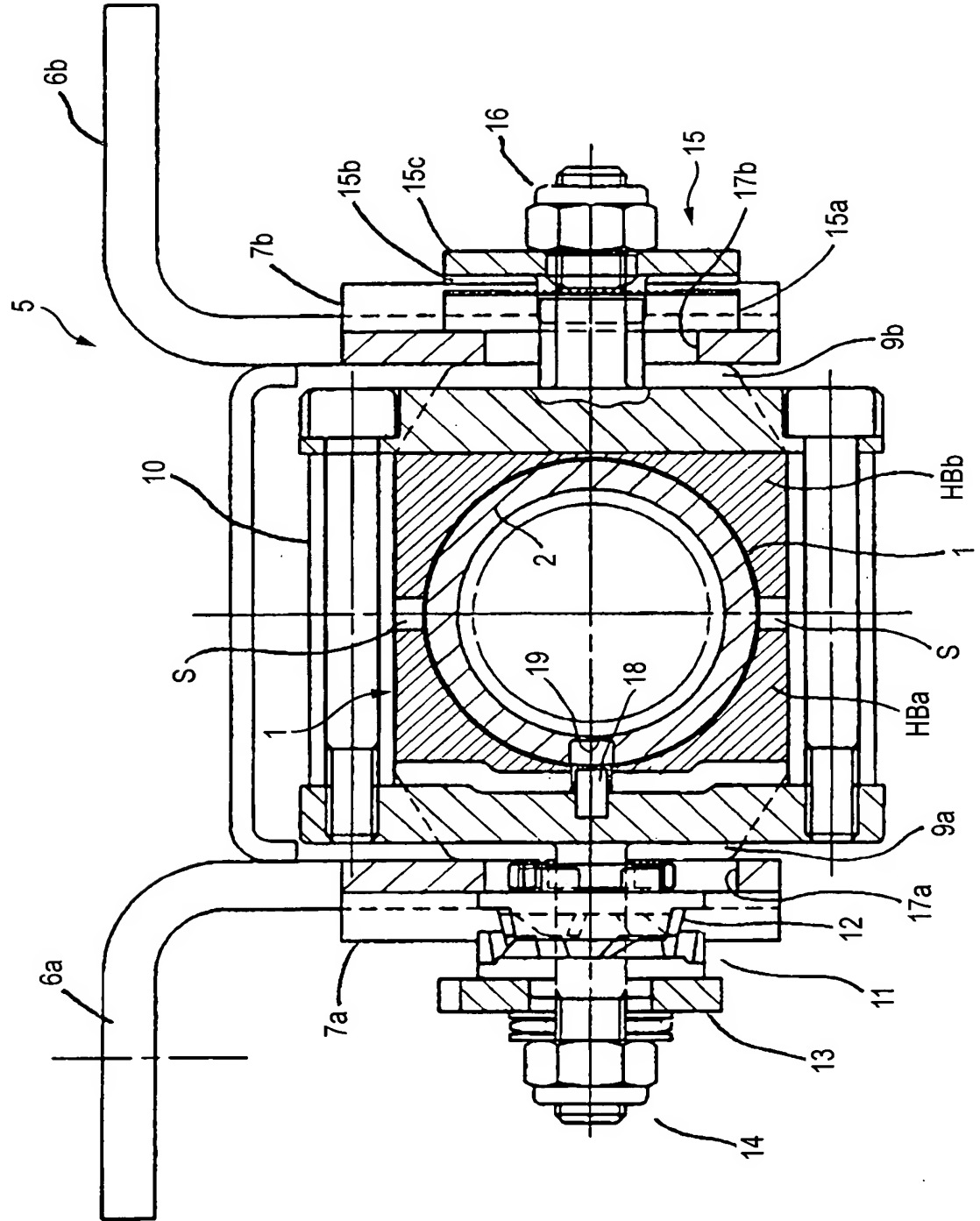
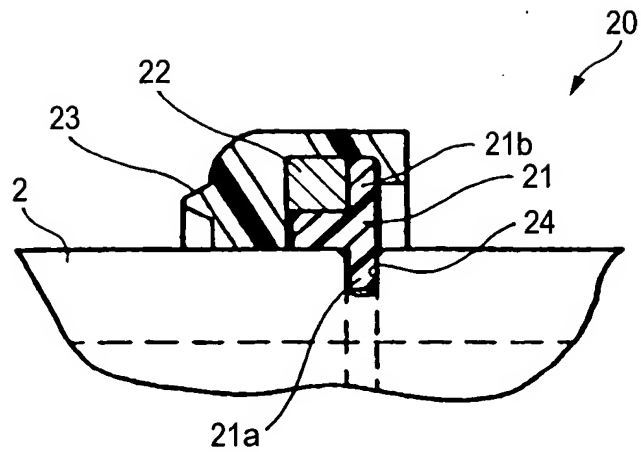


FIG. 4



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FIG. 5 (b)

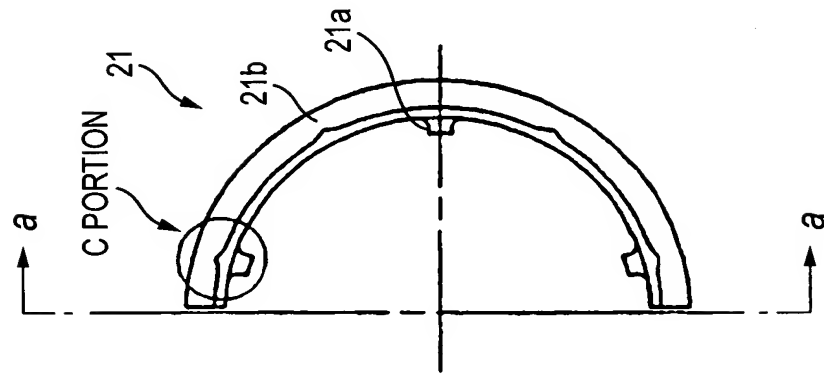


FIG. 5 (a)

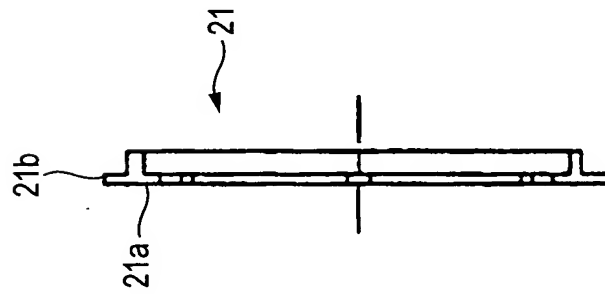
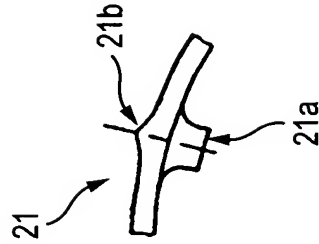
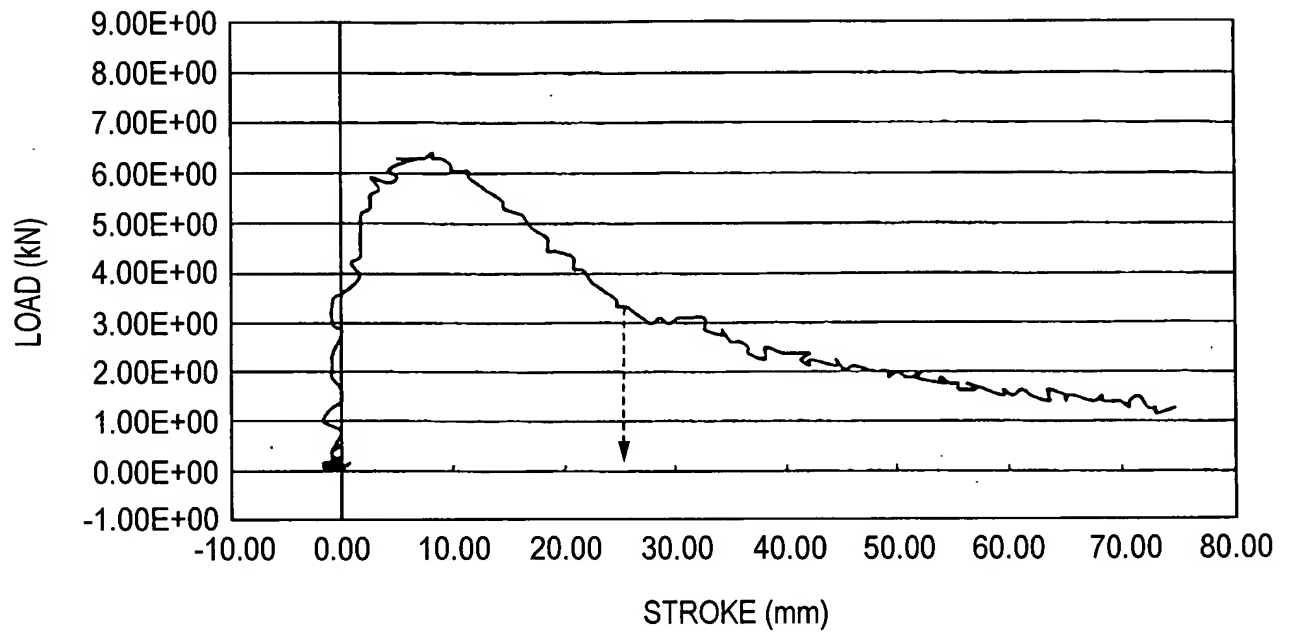


FIG. 5 (c)



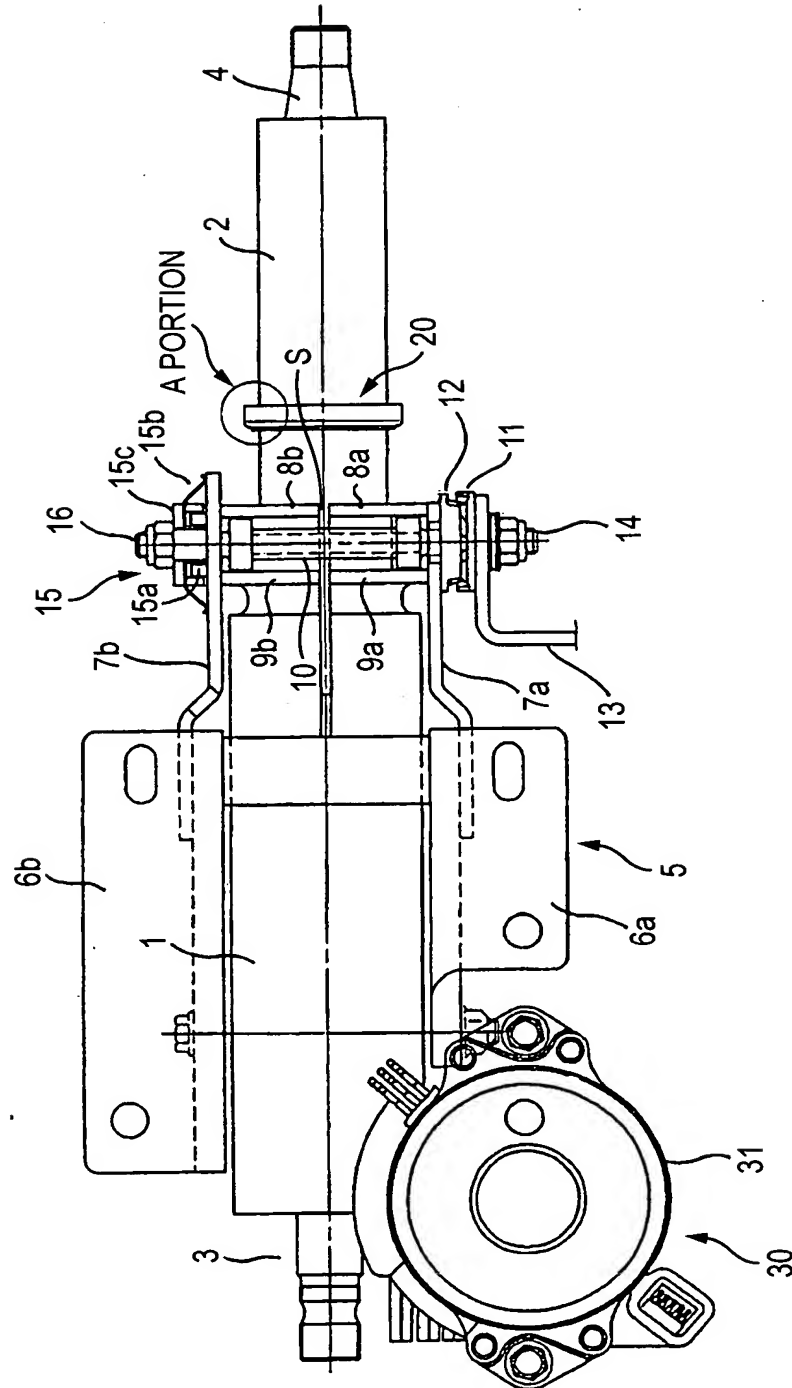
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FIG. 6



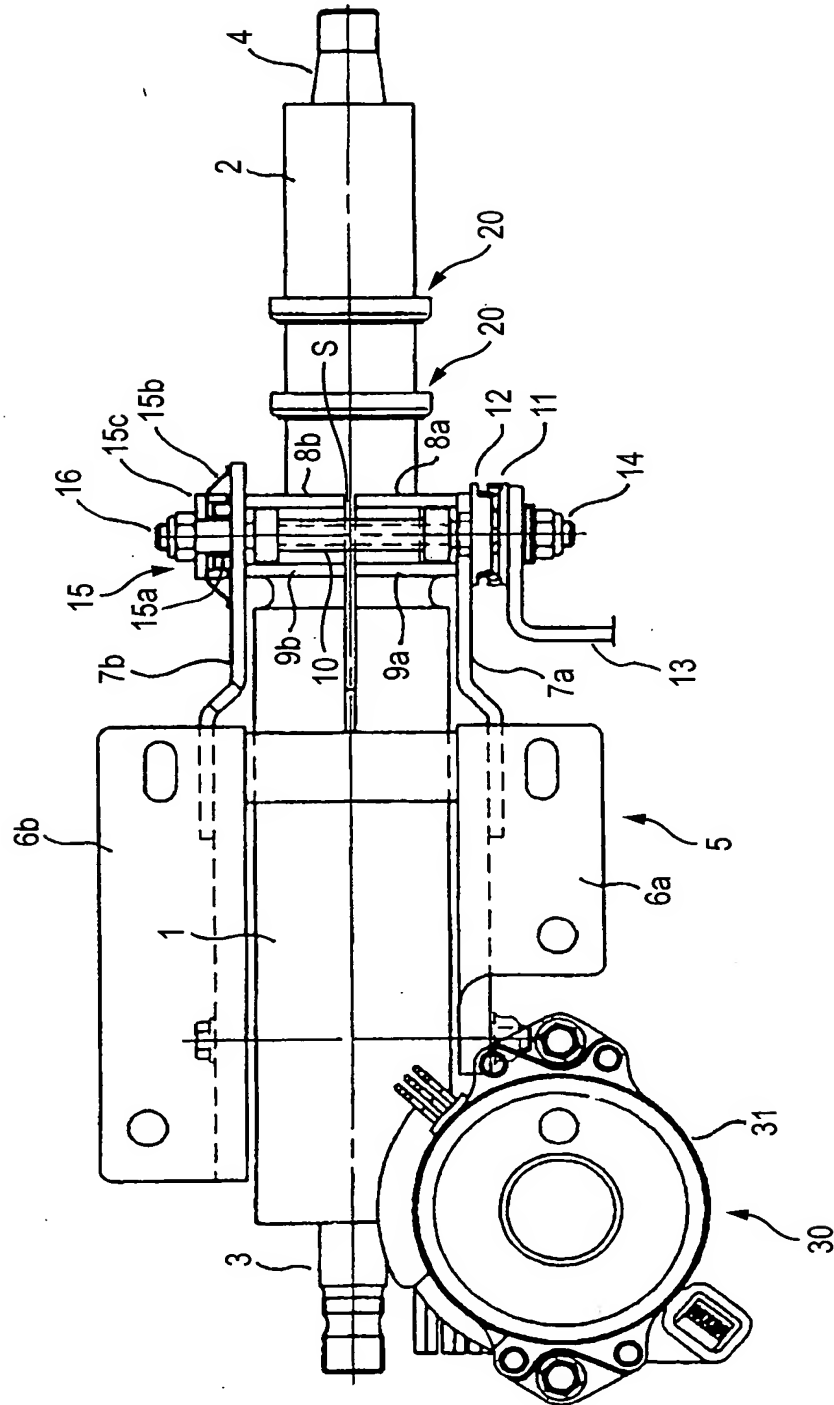
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FIG. 7



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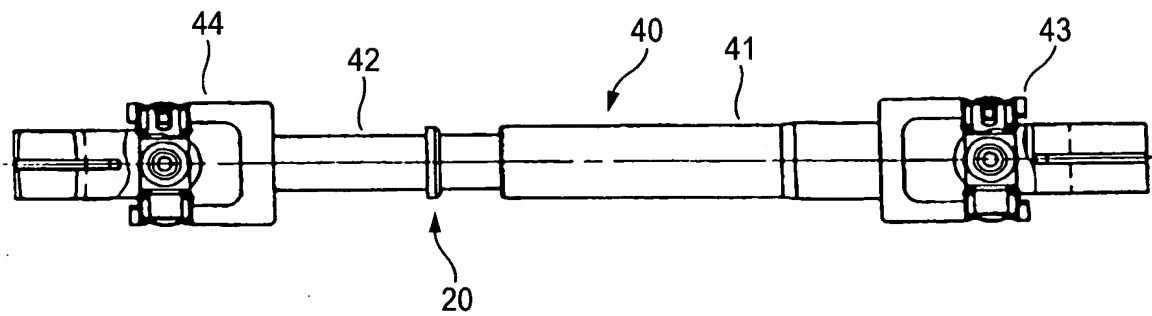
FIG. 8





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FIG. 9



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FIG. 10

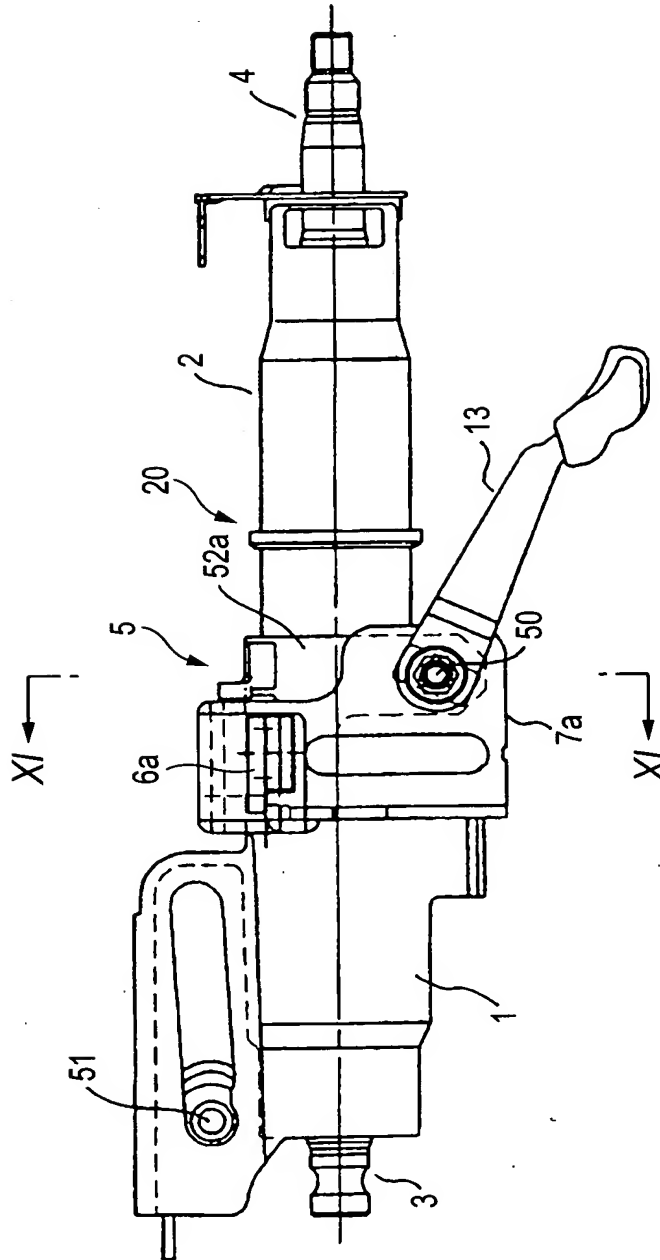


FIG. 11

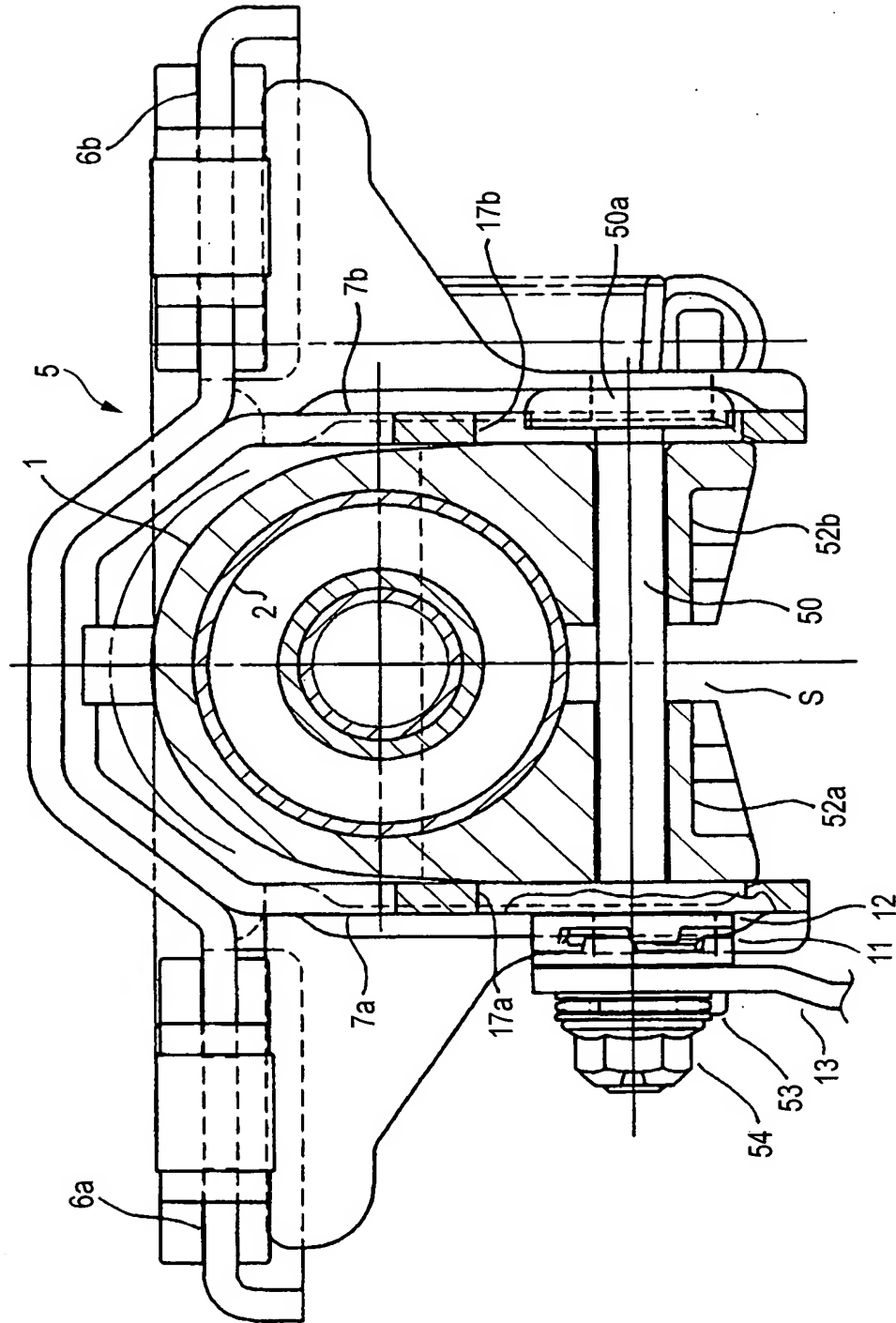


FIG. 12

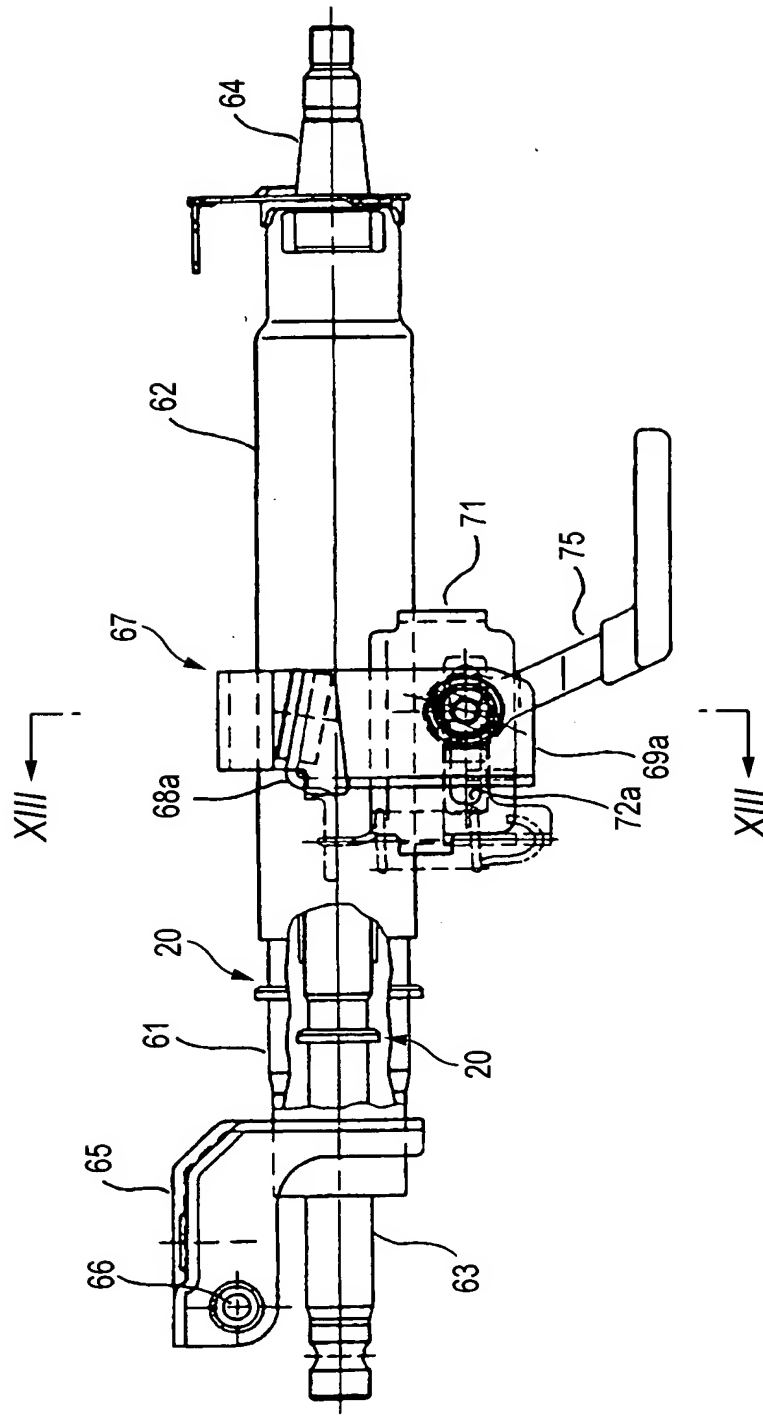


FIG. 13

